

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Matthias Peter</td> <td>07/04/2012</td> </tr> <tr> <td>Tobias Meyer</td> <td>07/04/2012</td> </tr> <tr> <td>Nikolaus Gmeinwieser</td> <td>07/04/2012</td> </tr> <tr> <td>Tetsuya Taki</td> <td>07/09/2012</td> </tr> <tr> <td>Hans-Jurgen Lugauer</td> <td>07/04/2012</td> </tr> <tr> <td>Alexander Walter</td> <td>07/04/2012</td> </tr> </tbody> </table>		Name	Execution Date	Matthias Peter	07/04/2012	Tobias Meyer	07/04/2012	Nikolaus Gmeinwieser	07/04/2012	Tetsuya Taki	07/09/2012	Hans-Jurgen Lugauer	07/04/2012	Alexander Walter	07/04/2012
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<table border="1"> <tr> <td>Name:</td> <td>OSRAM Opto Semiconductors GmbH</td> </tr> <tr> <td>Street Address:</td> <td>Leibnizstrasse 4</td> </tr> <tr> <td>City:</td> <td>Regensburg</td> </tr> <tr> <td>State/Country:</td> <td>GERMANY</td> </tr> <tr> <td>Postal Code:</td> <td>93055</td> </tr> </table>		Name:	OSRAM Opto Semiconductors GmbH	Street Address:	Leibnizstrasse 4	City:	Regensburg	State/Country:	GERMANY	Postal Code:	93055				
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CORRESPONDENCE DATA															
<p>Fax Number: (215)656-2498          Phone: 215-656-3381          Email: pto.phil@dlapiper.com  <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: T. Daniel Christenbury          Address Line 1: One Liberty Place          Address Line 2: 1650 Market Street, Suite 4900          Address Line 4: Philadelphia, PENNSYLVANIA 19103</p>															
ATTORNEY DOCKET NUMBER:	EHF-12-1106														

CH \$40.00 13519345

NAME OF SUBMITTER:

Carol Coney

Total Attachments: 3

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EHF-12-1106 / P2009,1597 US N (FNK/HBA)

ASSIGNMENT

WHEREAS, we, Matthias Peter, Tobias Meyer and Nikolaus Gmeinwieser, citizens of Germany, Tetsuya Taki, citizen of Japan, and Hans-Jürgen Lugauer and Alexander Walter, citizens of Germany, respectively, residing at Diepenbrockstraße 1, 93055 Regensburg, Germany, Gronsdorfer Weg 25, 93346 Ihrlerstein, Germany, Embacherstraße 7, 93083 Obertraubling, Germany, Nippa 790, Kohoku-ku, 223-0057 Yokohama, Japan, Am Ehgarten 14, 93161 Sinzing, Germany and Weinbergweg 9, 93164 Laaber, Germany, respectively, (hereinafter referred to as "the undersigned"), having made an invention entitled OPTOELECTRONIC SEMICONDUCTOR CHIP AND USE OF AN INTERMEDIATE LAYER BASED ON AlGaIn, identified in International Application No. PCT/EP2010/070274, and in US Application No. 13/519,345 (DLA Piper is authorized to insert the Serial No. when known),

WHEREAS, OSRAM Opto Semiconductors GmbH, with offices located at Leibnizstraße 4, 93055 Regensburg, Germany (hereinafter referred to as "the assignee"), is desirous of acquiring the entire right, title and interest in said invention, said US application and all letters patent issuing for said invention,

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and of other good and valuable consideration, receipt of which is hereby acknowledged, the undersigned, intending to be legally bound, do hereby sell, assign and transfer to the assignee the entire right, title and interest, for the United States of America, its territories and possessions, and for all foreign countries, in said invention, including said US application, all divisions and continuations thereof, all rights to claim priority based thereon, all rights to file foreign applications on said invention, and all letters patent and reissues thereof, issuing for said invention in the United States of America and in any and all foreign countries.

It is agreed that the undersigned shall be legally bound, upon request of the assignee, or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the undersigned has knowledge or possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention in the United States of America and foreign countries in the name of the assignee, and to execute all instruments proper to carry out the intent of this instrument. If the undersigned includes more than one individual, these obligations shall apply to all of the undersigned both individually and collectively.

The rights and property herein conveyed by the undersigned are free and clear of any encumbrance.

EXECUTED on the date(s) set forth below.

07/04/2012  
Date

Matthias Peter  
Matthias Peter

July 4, 2012  
Date

Tobias Meyer  
Tobias Meyer

\_\_\_\_\_  
Date

\_\_\_\_\_  
Nikolaus Gmeinwieser

July 4<sup>th</sup> 2012  
Date

Tetsuya Taki  
Hans-Jürgen Lugauer

July 4, 2012  
Date

Alexander Walter  
Alexander Walter

PATENT

REEL: 028574 FRAME: 0654

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4. July 2012  
\_\_\_\_\_  
Date

\_\_\_\_\_  
Nikolaus Gmeinwieser

\_\_\_\_\_  
Date

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Tetsuya Taki

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\_\_\_\_\_  
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\_\_\_\_\_  
Nikolaus Gmeinwieser

09.07.2012  
\_\_\_\_\_  
Date

*Tetsuya Taki*  
\_\_\_\_\_  
Tetsuya Taki

\_\_\_\_\_  
Date

\_\_\_\_\_  
Hans-Jürgen Lugauer

\_\_\_\_\_  
Date

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Alexander Walter